

**What is claimed is:**

1. 1. A brake backing plate comprising:
  - 2 a friction surface for receiving a friction pad material thereon; and
  - 3 multiple protrusions protruding out of the friction surface, one or more of
  - 4 which protrusions have an enlarged section for facilitating engagement between
  - 5 the friction surface and the friction pad material.
1. 2. The brake backing plate as claimed in claim 1 wherein each protrusion has  
2 a proximal end where the protrusion is protruding out of the friction surface and a  
3 distal end opposing to the proximal end, and the enlarged section is formed at the  
4 distal end of one or more protrusions.
1. 3. The brake backing plate as claimed in claim 1 wherein the enlarged  
2 section is deformed to have an enlarged cross sectional area.
1. 4. The brake backing plate as claimed in claim 1 wherein the enlarged  
2 section is enlarged in generally parallel to the friction surface.
1. 5. The brake backing plate as claimed in claim 1 wherein the enlarged  
2 section has a flat surface.
1. 6. A brake backing plate treating apparatus comprising:
  - 2 a protrusion forming unit having multiple blades for forming multiple
  - 3 protrusions on a friction surface of a brake backing plate which receives a friction
  - 4 pad material thereon; and
  - 5 a deforming unit for deforming one or more protrusions formed by the
  - 6 protrusion forming unit to provide an enlarged section on one or more protrusions
  - 7 for facilitating engagement between the friction surface and the friction pad
  - 8 material.

1      7.    The brake backing plate treating apparatus as claimed in claim 6 wherein  
2    each protrusion has a proximal end where the protrusion is protruding out of the  
3    friction surface and a distal end opposing to the proximal end, and the deforming  
4    unit comprises a deforming plate for deforming the distal end of one or more  
5    protrusions.

1      8.    The brake backing plate treating apparatus as claimed in claim 7 wherein  
2    the deforming plate is activated to press the distal end of one or more protrusions.

1      9.    The brake backing plate treating apparatus as claimed in claim 7 wherein  
2    the protrusion forming unit has a press for pressing the multiple blades onto the  
3    friction surface of the brake backing plate, and the deforming plate is activated by  
4    the press.

1      10.   The brake backing plate treating apparatus as claimed in claim 7 wherein  
2    the position of the deforming plate is adjustable relative to the friction surface of  
3    the plate.

1      11.   The brake backing plate treating apparatus as claimed in claim 6 further  
2    comprising a conveyer for conveying brake backing plates from the protrusion  
3    forming unit to the deforming unit.

1      12.   A method for treating brake backing plates, the method comprising steps  
2    of:

3               forming multiple protrusions on a friction surface of a brake backing plate  
4    which receives a friction pad material; and

5               deforming one or more protrusions to provide an enlarged deformed  
6    section on the one or more protrusions for facilitating engagement between the  
7    friction surface and the friction pad material.

1      13.   The method as claimed in claim 12 wherein each protrusion has a proximal  
2    end where the protrusion is protruding out of the friction surface and a distal end

3 opposing to the proximal end, and the deforming step presses the distal end of  
4 one or more protrusions.

1 14. The method as claimed in claim 13 wherein the deforming step presses  
2 the distal end of one or more protrusions on a brake backing plate simultaneously  
3 with the forming step forms protrusions on a different brake backing plate.

1 15. The method as claimed in claim 12 wherein the forming step displaces  
2 portions of the friction surface to form protrusions and corresponding recesses.

1 16. The method as claimed in claim 12 further comprising a step of conveying  
2 the brake backing plate after the forming step to perform the deformation step on  
3 the brake backing plate.